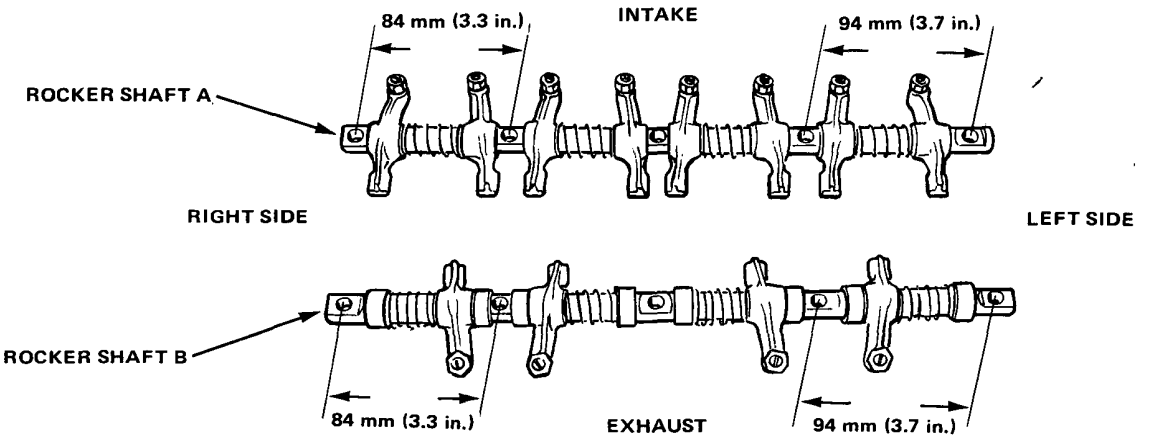
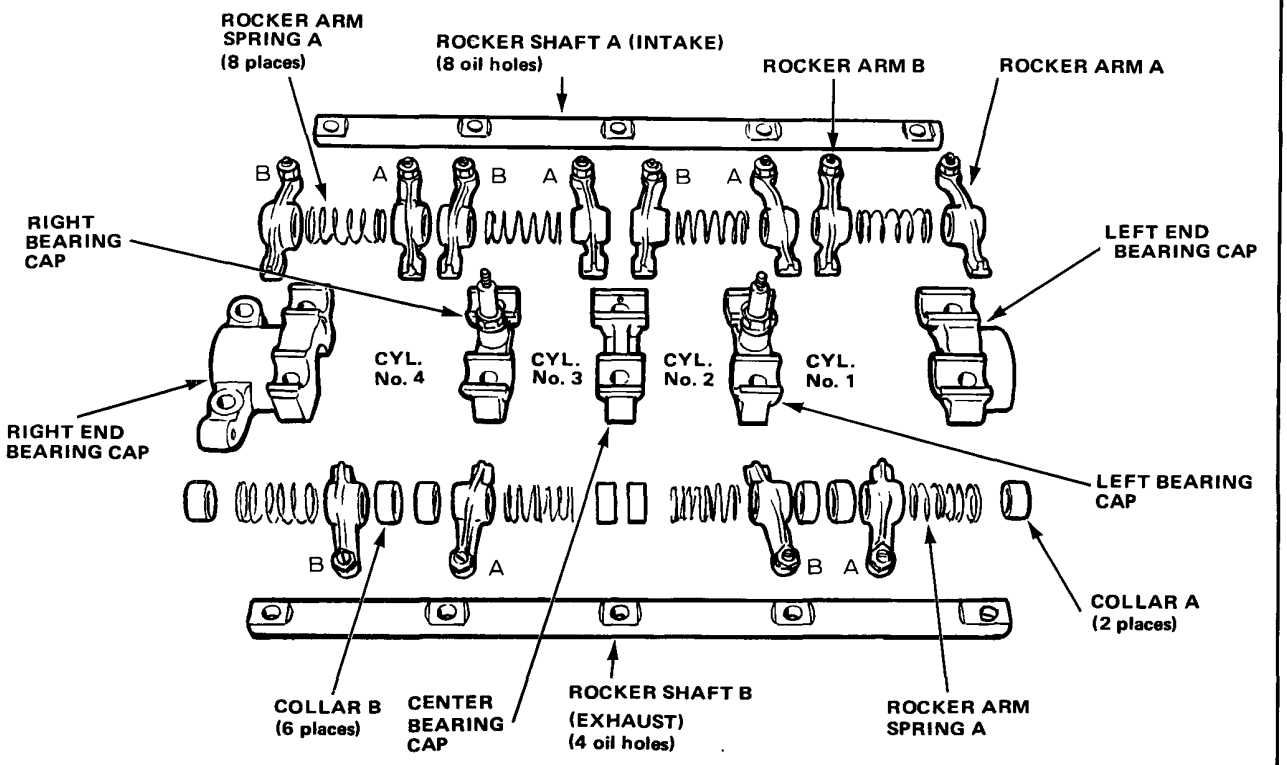
Rocker Arm Overhaul





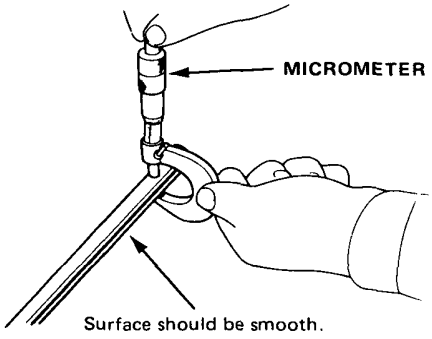
NOTE:

- Identify parts as they are removed to ensure reinstallation in original locations.
- Inspect rocker shaft and rocker arms (page 6-11).

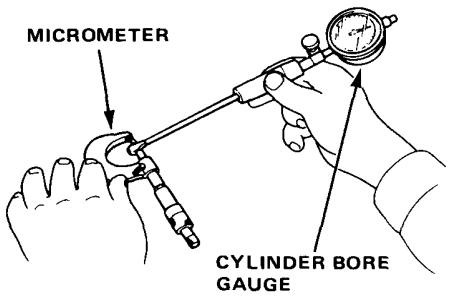
Rocker Arm Clearance

Measure both the intake/exhaust rocker shaft and auxiliary rocker shaft.

1. Measure diameter of shaft at first rocker location.

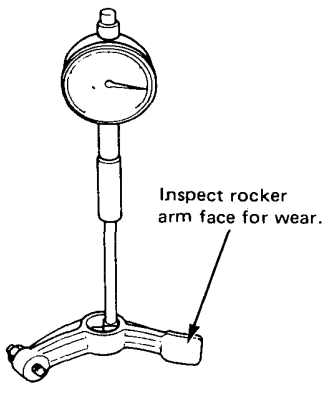


2. Zero gauge to shaft diameter.



3. Measure inside diameter of rocker arm and check for out-of-round condition.

Rocker Arm Radial Clearance:
Service Limit: 0.08 mm (0.003 in.)



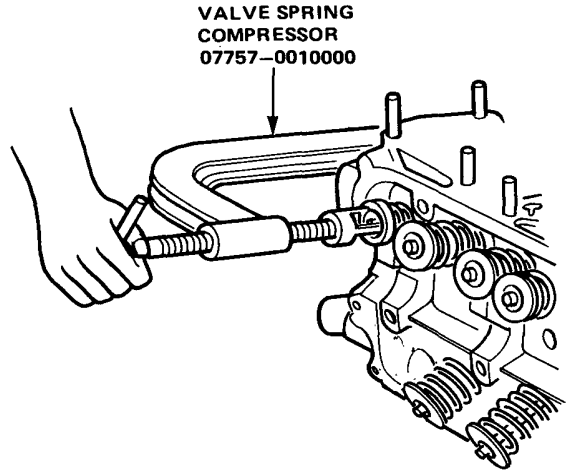
Repeat for all rockers. If over limit, replace rocker shaft and all over-tolerance rocker arms.

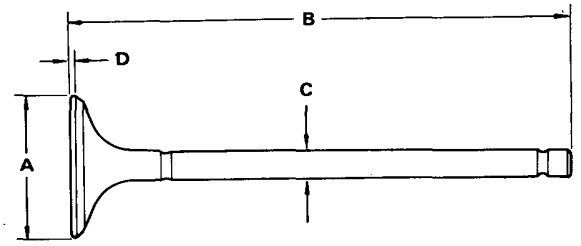
Intake and Exhaust Valve Replacement

NOTE: Identify valves and valve springs as they are removed so that each item can be reinstalled in its original position.

1. Tap each valve stem with a plastic mallet to loosen valve keepers before installing spring compressor.

2. Install spring compressor. Compress spring and remove valve keepers.





Intake Valve Dimensions

A Standard (New):	26.9–27.1 mm (1.059–1.067 in.)
B Standard (New):	112.56–112.86 mm (4.431–4.443 in.)
C Standard (New):	6.58–6.59 mm (0.2591–0.2594 in.)
C Service Limit:	6.55 mm (0.258 in.)
D Standard (New):	1.05–1.35 mm (0.041–0.053 in.)

Exhaust Valve Dimensions

A Standard (New):	31.9–32.1 mm (1.138–1.146 in.)
B Standard (New):	113.66–113.96 mm (4.475–4.487 in.)
C Standard (New):	6.55–6.56 mm (0.2579–0.2583 in.)
C Service Limit:	6.52 mm (0.257 in.)
D Standard (New):	1.65–1.95 mm (0.065–0.077 in.)